

ABSTRACT OF THE DISCLOSURE

In a ferroelectric capacitor, two displacements (points **b** and **c**) of a remanent polarization correspond to data "1" and one displacement (point **a**) of the remanent polarization corresponds to data "0". When the data "1" is written, either of two electric
5 voltage pulses different in potential or in pulse width is applied to the ferroelectric capacitor to position the displacement of the remanent polarization in the ferroelectric capacitor at the point **b** or at the point **c**. When the data "0" is written, on the other hand, the displacement of the remanent polarization in the ferroelectric capacitor is positioned at the point **a**.

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